#### **FUNAL CORPORATION** LIMITED WARRANTY

FUNAI CORP. will repair this product, free of charge in the USA in the event of defect in materials or workmanship as fol-

# DURATION: PARTS:

FUNAI CORP. will provide parts to replace defective parts without charge for one (1) year from the date of original retail purchase. Two (2) years for Picture Tube. Certain parts are excluded from this warranty. FUNAI CORP. will provide the labor without charge for a period of ninety (90) days from the date of original retail purchase. LABOR:

of original retail purchase.

#### LIMITS AND EXCLUSIONS:

This warranty is extended only to the original retail purchaser. A purchase receipt or other proof of original retail pur-chase will be required together with the product to obtain service under this warranty. This warranty shall not be extended to any other person or transferee.

This warranty is void and of no effect if any serial numbers on the product are altered, replaced, defaced, missing or if service was attempted by an unauthorized service center. This FUNAI CORPORATION Limited warranty does not apply to any the product not purchased and used in the United States.

This warranty only covers failures due to defects in material or workmanship which occurs during normal use. It does not cover damage which occurs in shipment, or failures which are caused by repairs, alterations or product not supplied by FUNAI CORP, or damage which results from accident, misuse, abuse, mishandling, misapplication, alteration, faulty installation, improper maintenance, commercial use such as hotel, rental or office use of this product or damage which results from fire, flood, lightning or other acts of God.

THIS WARRANTY DOES NOT COVER PACKING MATERIALS, ANY ACCESSORIES (EXCEPT REMOTE CONTROL), ANY COSMETIC PARTS, COMPLETE ASSEMBLY PARTS, DEMO OR FLOOR MODELS. CONTROL), ANY COSMETIC PARTS, COMPLETE ASSEMBLY PARTS, DEMO OR FLOOR MODELS. FUNAL CORP. AND ITS REPRESENTATIVES OR AGENTS SHALL IN NO EVENT BE LIABLE FOR ANY GENERAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR OCCASIONED BY THE USE OF OR THE INABILITY TO USE THIS PRODUCT. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND OF ALL OTHER LIABILITIES ON THE PART OF FUNAL, ALL OTHER WARRANTIES INCLUDING THE WARRANTY OF MERCHANTABILITY, AND FT-UNDER COLOR DEPORTS. NESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED BY FUNAI AND ITS REPRESENTA-TIVES IN THE UNITED STATES.

ALL WARANTY INSPECTIONS AND REPAIRS MUST BE PERFORMED BY FUNAI AUTHORIZED SER-VICE CENTER. THIS WARRANTY IS VALID WHEN THE UNIT IS CARRIED-IN TO FUNAI AUTHORIZED SERVICE FACILITY

THE PRODUCT MUST BE ACCOMPANIED BY A COPY OF THE ORIGINAL RETAIL PURCHASE RECEIPT. IF NO PROOF OF PURCHASE IS ATTACHED, THE WARRANTY WILL NOT BE HONORED AND REPAIRS COSTS WILL BE CHARGED.

#### **IMPORTANT:**

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE, IF, AT ANY TIME DURING THE WARRANTY PERIOD, YOU ARE UNABLE TO OBTAIN SATISFACTION WITH THE REPAIR OF THIS PRODUCT, PLEASE CONTACT FUNAI CORP.

## **ATTENTION:**

FUNAI CORP. RESERVES THE RIGHT TO MODIFY ANY DESIGN OF THIS PRODUCT WITHOUT PRIOR NOTICE.

To locate your nearest FUNAI Authorized Service Center or general service procedure, please call 1-800-242-7158 or write to the following:

FUNAI CORPORATION

Customer Service 100 North Street; Teterboro, NJ 07608

Tel: 1-800-242-7158

PLEASE DO NOT SHIP YOUR UNIT TO THE TETERBORO ADDRESS

0EMN01991

Printed in Malaysia L6203UD

# **Owner's** Manual

Symphonic 27 INCH **COLOR TELEVISION** WF2702

## FEATURES

- Tinted, Bright Black Matrix Picture Tube
- 181 Channel Selection- All VHF/UHF channels plus up to 125 cable channels.
- PLL Frequency Synthesized Tuning- The latest PLL frequency synthesized electronic tuning system provides free and easy channel selection, and lets you tune directly to any channel using the channel number buttons (0~9 and +100-key) on the remote control.
- **On-Screen Function Display. Full-Function Remote Control**
- Sleep Timer
- Closed Caption Decoder- You may view specially labeled (cc) TV programs, movies, news, prerecorded tapes, etc. with either a dialogue caption or text display added to the program. • Auto Shut Off Function- If there is no air signal input from the antenna terminal and no
- user operation for 15 minutes, the TV will turn itself off automatically.

### • V-CHIP- Enables parents to prevent their children from watching inappropriate material on TV. PRECAUTIONS

### • Place your TV in a room with adequate ventilation.

- Keep your TV set away from sources of direct heat, such as heat registers or direct sunlight.
- Do not place your TV on soft surfaces, such as rugs or blankets.
- · Leave enough room for air to circulate around the bottom, top and back of the set.

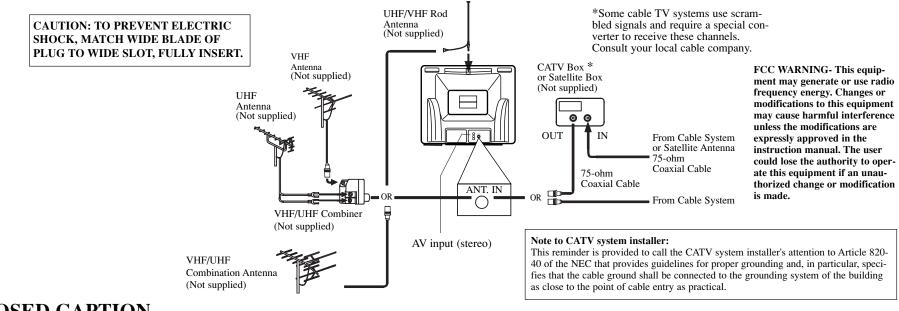
The serial number of this product may be found on the back of the TV. No others have the same serial number as yours. You should record the number and other vital information here and retain this book as a permanent record of your purchase to aid identification in case of theft.

-		
Date of Purchase	Dealer Phone No.	
Dealer Purchase from	Model No.	
Dealer Address	Serial No.	

This Owner's Manual is made of recycled paper.

IF YOU NEED ADDITIONAL ASSISTANCE FOR SET-UP OR OPERATING AFTER READING OWNER'S MANUAL, PLEASE CALL TOLL FREE 1-800-242-7158.





# **CLOSED CAPTION**

#### This TV can receive C1 and C2 Caption and Text.

#### **Caption Mode**

- (1) Closed Caption Characters can be displayed on the TV screen only when the received broadcast signal contains Caption Signals.
- (2) Paint-on mode: Displays input characters on the screen immediately.
- Pop-on mode: Once characters are stored in memory, they are displayed all at once. Roll-up mode: Displays the characters continuously by scrolling (max. 4 lines)

Note: If CAPTION C1 or C2 is selected but a Closed Caption signal is not included, characters will not be displayed.

#### Text Mode

(1) Displays the text on the screen by scrolling (max. 7 lines)

(2) If the received broadcast signal does not contain caption or text signals, no change will occur.

#### Notes:

- (1) When your TV receives a special effects playback signal (i.e., Search, Slow, Still) from a VCR's video output channel (CH3 or CH4), your TV may not display the correct caption or text.
- (2) Captions and texts may not match the TV voice exactly.
- (3) Interference may cause the closed caption system not to function properly.
- (4) The caption or text characters will not be displayed while the menu display or functions display is shown.

#### (5) If you see this screen:



If your TV displays a black box on the screen, this means that your TV is set to TEXT mode. To clear screen, select CAPTION C1, C2 or CAPTION [OFF].

#### WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLI-ANCE TO RAIN OR MOISTURE.

9



The important note is located on the rear of the cabinet.

# **IMPORTANT SAFEGUARDS**

- Read instructions-All the safety and operating instruc-
- Retain Instructions-All one startery and operating instruc-tions should be read before the appliance is operated. Retain Instructions-The safety and operating instruc-tions should be retained for future reference. Heed Warnings-All warnings on the appliance and in the accenting instructions devide he adhered to 2
- 3.
- the operating instructions should be adhered to
- 4. Follow Instructions-All operating and use instructions 5.

Follow Instructions-All operating and use instructions should be followed. Cleaning-Unplug TV from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. **EXCEPTION:** A product that is meant for uninterrupted service and, that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter is a transfer to be unplused. CATV converter, is not intended to be unplugged by exclude the reference to unplugging the appliance in the cleaning description otherwise required in item 5

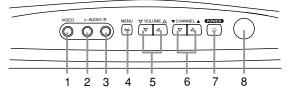
- Attachments-Do not use attachments not recommended
- by the TV manufacturer as they may cause hazards. Water and Moisture-Do not use this TV near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
- Accessories-Do not place this TV on an unstable cart, stand, tripod, bracket, or table. The TV may fall, caus ing serious injury to someone, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the TV.

Any mounting of the appliance should follow the man ufacturer's instructions and should 

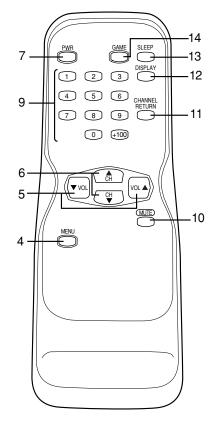
use a mounting accessory recom-mended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn

**OPERATING CONTROLS AND FUNCTIONS** 

#### - FRONT PANEL -



- REMOTE CONTROL -



- 1. VIDEO (in) jack- Connect to the video output jack of a video camera or VCR. NOTE: The AUDIO and VIDEO jacks on the front panel are given priority over those on the rear panel. Suppose that the connections are already made with the rear-panel jacks and additionally with the front-panel jacks. In this case too, the input via the front ones is automatically selected.
- AUDIO L (in) jack- Connect to the left channel audio output jack of a video camera or VCR.

NOTE: The rear-panel AUDIO L (IN) jack is for mono input. The sound is heard from both speakers. Use this jack for monaural audio equipment to be hooked up

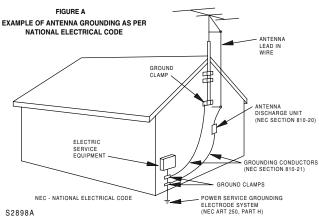
- 3. AUDIO R (in) jack- Connect to the right channel audio output jack of a video camera
- or VCR. MENU button- Press to display the menu 4 on the TV screen.
- VOLUME ▲/▼ buttons- Press to control 5. the volume level.

Press to determine the setting mode from the menu on the TV screen. (only the VOL  $\blacktriangle$ button)

Press to select or adjust from a particular menu. (for example: Language Selection, Channel Presetting, Closed Caption Selection, Picture Adjustment, V-CHIP Set Up)

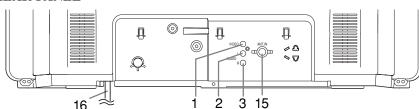


- receptacles, and the point where they exit from the appliance. 13. Outdoor Antenna grounding-If an outside antenna or cable system is connected to the TV, be sure the anten na or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (Fig. A)
- 14. Lightning-For added protection for this TV receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the TV due to lightning
- Any ower-line surges. Power Lines-An outside antenna system should not be located in the vicinity of overhead power lines or other electric light of power circuits, or where it can fall into such power lines or circuits. When installing an outside 15 Pow antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 16. Overloading-Do not overload wall outlets and extension
- Overloading-Do not overload wan outlets and extension cords as this can result in a risk of fire or electric shock.
   Object and Liquid Entry-Never push objects of any kind into this TV through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the TV.



- 18. Servicing-Do not attempt to service this TV yourself as opening or removing covers may expose you to dan-gerous voltage or other hazards. Refer all servicing to qualified service personnel.
  19. Damage Requiring Service-Unplug this TV from the
- wall outlet and refer servicing to qualified service per-sonnel under the following conditions: When the power supply cord or plug is damaged or
- frayed. b. If liquid has been spilled, or objects have fallen into
- the TV.
- c. If the TV has been exposed to rain or water. d. If the TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as improper adjustment of other controls may result in damage and will often require extensive work by a qualified techni-cian to restore the TV to its normal operation.
- e. If the TV has been dropped or damaged in any way.
  f. When the TV exhibits a distinct change in performance-this indicates a need for service.
  20. Replacement Parts-When replacement parts are provided by any change and parts.
- required, be sure the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, injury to persons or other hazards.
- persons or other nazards.
  21. Safety Check-Upon completion of any service or repairs to this TV, ask the service technician to perform routine safety checks to determine that the TV is in proper operating condition.
  22. Heat-This TV product should be situated away from host expression between whether the termine that the termine that the termine the termine ter
- heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

#### - REAR PANEL -



memorized channel. NOTE: You MUST PRESET channels BEFORE using CHANNEL  $\blacktriangle/ \bigtriangledown$  button. (See CHANNEL PRESETTING) Press to select the setting mode from the menu on the TV screen. Press to select item you want to adjust in

the picture control mode.

- 7. POWER (PWR) button- Press to turn the TV ON and OFF.
- 8. Infrared Sensor Window- Receives the infrared control signals from the remote control unit.
- 9. CHANNEL NUMBER button- Press two digits to directly access the desired channel. Remember to press a "0" before a single digit channel

+100 button- Press to select cable channels higher than 99.

- 10.MUTE button- Press the MUTE button to turn off the sound portion of the TV program. (Volume level display turns LIGHT RED from LIGHT BLUE.) Press the MUTE button again or press the VOL(ume)  $\blacktriangle$  or  $\blacktriangledown$  button to restore sound.
- 11. CHANNEL RETURN button- Press this button to go back to the previously viewed channel. For example, pressing the CHAN-NEL RETURN button once will change channel display from CH 3 (present channel) to CH 10 (previously viewed channel), and pressing it a second time will return from CH 10 to CH 3.

- 12.DISPLAY button- Press to display the channel number on the screen. If you press it again, the channel number will disappear.
- 13.SLEEP button- Press the SLEEP button to display the sleep timer and start the function. The shut off time can be determined by the number of times you press the button. (0, 10, 20, 30,..90, 0 minutes)
- 14.GAME button- Press to set the Game mode and external input mode at the same time. Press the GAME button again to exit this mode.

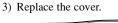
15.ANT(enna). IN jack- Connect to an antenna, cable system, or satellite system.

16.AC cord- Connect to a standard AC outlet (120V/60Hz).

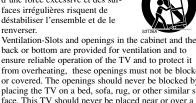
NOTE: Unwrap the AC cord completely from the backcover before plugging the cord into an AC outlet.

### INSTALLING THE BATTERIES

- 1) Slide the battery compartment cover back on the remote unit.
- 2) Insert 2 "AA" penlight batteries into battery compartment in the direction as indicated by the polarity (+ / -) markings. Batteries installed with incorrect polarity may damage the remote unit.







back or bottom are provided for ventilation and to ensure reliable operation of the TV and to protect it from overheating, these openings must not be blocked by or covered. The openings should never be blocked by placing the TV on a bed, sofa, rug, or other similar sur-face. This TV should never be placed near or over a radiator or heat register. This TV should not be placed in a built-in installation such as a bookcase or rack

THIS SYMBOL INDICATES THAT DAN-

GEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRE-

THERE ARE IMPORTANT OPERATING

AND MAINTENANCE INSTRUCTIONS

IN THE LITERATURE ACCOMPANYING

THIS SYMBOL INDICATES THAT

SENT WITHIN THIS UNIT.

THE APPLIANCE.

fabricant. Si vous l'installez sur un meuble à roulettes, déplacez

les deux ensembles avec précau-

d'une force excessive et des sur-

tion. Un arrêt brusque, l'utilisation

- In a built in instantiation is provided or the manufacturer's instructions have been adhered to .
  10. Power Sources-This TV should be operated only from the type of power source indicated on the marking built of the source indicated on t label. If you are not source interacted on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For TVs intended to operate from bat-tery power, or other sources, refer to the operating nstructions
- Grounding or Polarization-This TV is equipped with a polarized alternating-current line plug(a plug having one blade wider than the other). This plug will fit into
- the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.



# **PREPARATION FOR USE**

#### LANGUAGE SELECTION If you want to change the language of the on-screen menu, follow the procedure below. 1) Connect the power cord to a standard AC outlet. Note: If some digits appear in the corner of the screen,

- press the POWER button without unplugging the power cord. 2) Press the POWER button to turn on the TV.
- 3) Press the MENU button so that the menu display appears
- on the TV screen. 4) Press the CH(annel)  $\blacktriangle$  or  $\blacktriangledown$  button to point to "[ENGLISH]".
- 5) Select "ENGLISH" or "ESPAÑOL" = Spanish by using
- the VOL(ume)  $\blacktriangle$  or  $\blacktriangledown$  button.
- 6) Press the MENU button to exit the menu.

### CHANNEL PRESETTING

- NOTE: You MUST PRESET channels BEFORE using CHANNEL ▲ or ▼ button.
- To preset a channel or to change a preset channel, follow the procedure below.
- 1) Press the POWER button to turn on the TV.
- 2) Press the MENU button so that the menu display appears on the TV screen.
- 3) Press the CH(annel)  $\blacktriangle$  or  $\triangledown$  button to point to "CHANNEL SET". Then, press the VOL(ume)  $\blacktriangle$  button.
- 4) Press the CH(annel)  $\blacktriangle$  or  $\blacktriangledown$  button to point to "AUTO MEMO". Then, press the VOL(ume)  $\blacktriangle$  button.
- The tuner scans and memorizes all active channels in your area. • The TV distinguishes between standard TV channels and cable (CATV) channels
- When AUTO MEMO action is completed, the lowest memorized channel reappears on the screen.
- When you press the CH(annel)  $\blacktriangle$  or  $\triangledown$  button after selecting AUTO MEMO, the tuner will stop at the memorized channels only.
- The TV may memorize TV channels as CATV channels if the reception conditions are poor. If this happens, try the AUTO MEMO action again when reception conditions are better.

### [ADD/DELETE FUNCTION]

- 1) Press the MENU button so that the menu display appears on the TV screen
- 2) Press the CH(annel)  $\blacktriangle$  or  $\triangledown$  button to point to "CHANNEL SET". Then, press the VOL(ume)  $\blacktriangle$  button.
- 3) Press the VOL(ume) ▲ button so that "ADD/DELETE" is selected. 4) Use the CH(annel)  $\blacktriangle$  or  $\blacktriangledown$  button to select the channel you wish to put into memory or to erase from memory.

Note: The display will return to the normal screen automatically in about 10 seconds.

Perform "ADD/DELETE" function while this display appears on the screen. Press the VOL(ume)  $\blacktriangle$  or  $\blacktriangledown$  button to light up the channel number

- in LIGHT BLUE if you wish to add the channel into memory. Press the VOL(ume)  $\blacktriangle$  or  $\blacktriangledown$  button to light up the channel number
- in LIGHT RED if you wish to erase the channel from memory. 5) Press the MENU button to exit the menu.

#### STEREO SOUND SYSTEM

This function suppresses noise, restores the dynamic range and electronically ▶ PICTURE expends the stereo signal to create a more specious sound effect. 1) Press the MENU button so that the menu display appears on the TV screen

- 2) Press the CH(annel)  $\blacktriangle$  or  $\blacktriangledown$  button to point to "CHANNEL SET". Then, press the VOL(ume)  $\blacktriangle$  button.
- 3) Press the CH(annel)  $\blacktriangle$  or  $\blacktriangledown$  button so that "STEREO" is selected. 4) Press the VOL(ume)  $\blacktriangle$  or  $\triangledown$  button to select the stereo mode on or off. Stereo sound is effective when "STEREO" is on.
  - [ENGLISH]ESPAÑOL V-CHIP SET UP CAPTION [OFF] ADD/DELETE ADD/DELETE AUTO MEMO AUTO MEMO STEREO [ON] STEREO [OFF]

PICTURE CHANNEL SET [ENGLISH]ESPA V-CHIP SET UP

V-CHIP SET UP CAPTION [OFF]

ADD/DELETE AUTO MEMO STEREO [O

CHANNEL SET [ENGLISH]ESPAÑOL V-CHIP SET UP CAPTION [OFF]

PICTURE CHANNEL SET

►

automatically after about 10 seconds if you

do not press any buttons. Press the MENU and VOL(ume)  $\blacktriangle$  button so that "PIC-

TURE" is selected. Then, press the CH(annel)  $\blacktriangle$  or  $\checkmark$  button repeatedly until

the display returns to the screen.If you adjust any picture control after you set the Game mode to [ON], the Game mode

You may also set the Game mode and external input mode at the same time by pressing the GAME button on the remote control. "GAME" appears on the TV screen. • To exit the Game mode and external input

mode, press the GAME button on the remote

To cancel the Game mode only, adjust the picture control. In this case, "VIDEO" instead

of "GAME" appears on the TV screen. If you press the GAME button when the TV

is off, the TV turns on and will be in the Game mode and external input mode auto-matically.

is set to [OFF] automatically.

[USING THE GAME BUTTON]

control again.

PAÑOL

[ON]

#### **RESUME FUNCTION**

If the power fails or is disconnected while the TV is powered on, the TV will turn on automatically when the power resumes.

# **OPERATIONS**

### WATCHING A TV PROGRAM

1) Press the POWER button to turn on the TV.

2) Select the desired channel with the CH(annel)  $\blacktriangle$  or  $\checkmark$  button.

3) Adjust the volume to the desired listening level using the VOL(ume)  $\blacktriangle$  or  $\triangledown$  button. 4) Adjust picture controls for a natural looking image. (See "PICTURE ADJUSTMENT".)

#### SETTING THE SLEEP TIMER

The sleep timer function allows you to have the power automatically turn off after a set time period. 1) Press the POWER button to turn on the TV and press the SLEEP button on the remote control.

2) You may change the sleep time by pressing the SLEEP

button on the remote control repeatedly. The timer can be set up to 90 minutes, 10 minutes each time the SLEEP button is pushed. (The timer display counts up and sleep timer will be displayed on the screen when you press the SLEEP button on remote control.)

To cancel the sleep timer:
Press the SLEEP button repeated-
ly until "SLEEP 0" is displayed.

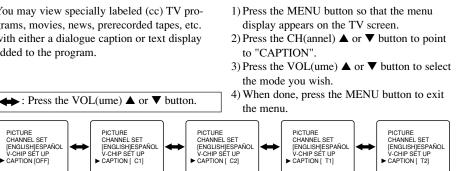
SI EEP 10

Note: When you disconnect the unit from the AC outlet, or if you have a power failure, the sleep time will be lost.

### **CLOSED CAPTION SELECTION**

You may view specially labeled (cc) TV programs, movies, news, prerecorded tapes, etc. with either a dialogue caption or text display added to the program.

PICTURE CHANNEL SET [ENGLISH]ESPA V-CHIP SET UP ► CAPTION [ C1]



### PICTURE ADJUSTMENT

PICTURE CHANNEL ENGLISH

V-CHIP SET UP CAPTION [OFF]

SET

١ŇΟΙ

1) Press the MENU button so that the menu display appears on the TV screen.

- 2) Press the VOL(ume) ▲ button so that "PICTURE" is selected.
- 3) Select the feature you wish to adjust with the CH(annel)  $\blacktriangle$  or  $\triangledown$  button and adjust it with the VOL(ume)  $\blacktriangle$  or  $\blacktriangledown$  button.

#### GAME MODE

Set to the most suitable position for TV GAME.

[+]: ON [-]: OFF

- BRIGHT
- Adjust until the darkest parts of the picture are as bright as you prefer. [+] : increase brightness [-] : decrease brightness

CONTRAST

Adjust to increase or decrease contrast. [+] : increase contrast [-] : decrease contrast

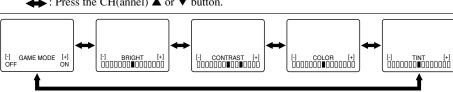
COLOR Adjust to be brilliant or pale color.

[+] : be brilliant color [-] : be pale color TINT

Adjust to obtain natural skin tones.

- [+] : greenish tone [-] : reddish tone
- Notes: "+" is
- "+" is achieved by pressing the VOL(ume)
   ▲ button and "-" by pressing the VOL(ume)
   ▼ button.
- · In the above steps, the picture adjustment display will disappear from the TV screen

 $\blacksquare$ : Press the CH(annel)  $\blacktriangle$  or  $\triangledown$  button.



### V-CHIP SET UP

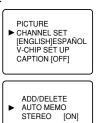
V-CHIP enables parents to prevent their children from watching inappropriate material on TV

V-CHIP reads the ratings for programming (except for news and sports programs, unedited movies on premium cable channels, and Emergency Broadcast System signals), then denies access to programming if the program's rating meets or exceeds the limitations you select. In this

case, "PROTECTED PROGRAM by ..." message appears on the TV screen.

To block certain ratings, follow the steps below.

- Programming may be rated by the Motion Picture Association of America (MPAA) or according to the Television Parental Guidelines. In order to block any inappropriate programming, set your limits in both places (MPAA RATING and TV RATING).
  - You cannot access the menu when the "PRO-TECTED PROGRAM by ..." message
- appears. In this case, change to an unblocked channel, then press the MENU button.



PICTURE CHANNEL SET [ENGLISH]ESPAÑOL
 V-CHIP SET UP

CAPTION [OFF]

PICTURE CHANNEL SET

[ENGLISH]ESPAÑOL
 V-CHIP SET UP

CAPTION [OFF]

# **OPERATIONS** (Continued)

#### IMPA A RATING SET UP

[MPAA RATING SET U	Pj	[TV RA
1) Press the MENU button	1) Press	
display appears on the T	displa	
2) Press the CH(annel) $\blacktriangle$		2) Press
or $\mathbf{\nabla}$ button to point to	PICTURE	or 🔻
"V-CHIP SET UP".	CHANNEL SET [ENGLISH] ESPAÑOL	"V-C
Then, press the	V-CHIP SET UP CAPTION [OFF]	Then
VOL(ume) $\blacktriangle$ button.	CAPTION [UFF]	VOL
3) Press the CH(annel) $\blacktriangle$		3) Press
or $\mathbf{\nabla}$ button to point to	TV RATING	or 🔻
"MPAA RATING".	MPAA RATING	"TV
Then, press the		Then
$VOL(ume) \blacktriangle button.$		VOL
4) Press the CH(annel) $\blacktriangle$		4) Press
or $\mathbf{\nabla}$ button to point to	► G [VIEW]	or 🔻
your desired item.	PG [VIEW] PG-13 [VIEW]	your
Then, press the	R [VIEW] NC-17 [VIEW]	item.
$VOL(ume) \blacktriangle button$	X [VIEW]	VOL
to select [BLOCK] or [	VIEW].	select
<selection> <rating c<="" td=""><td>ategory</td><td><selecti< td=""></selecti<></td></rating></selection>	ategory	<selecti< td=""></selecti<>
Explanations>		Explana
G: General Audience     PG: Parental Guidance		• TV-Y: • TV-Y7
• PG-13: Unsuitable for ch		- 1 - 1 /
R: Restricted; under	• TV-G:	
<ul> <li>ing parent or adul</li> <li>NC-17: No one under 17</li> </ul>		• TV-PC • TV-14
• X: No one under 17		• TV-14

- When you select the rating category and turn it to [BLOCK], the higher rating will turn [BLOCK] automatically. Also, the lower rating will turn [VIEW] automatically.
- When you turn "G" to [BLOCK] or [VIEW], the all ratings will turn to [BLOCK] or [VIEW] automatically.
- When you turn "X" to [VIEW], then all ratings will turn to [VIEW] automatically.
  Press the MENU button to exit the menu.

TV	RATING	SET	UP]
----	--------	-----	-----

s the MENU button so that the menu lav appears on the TV screen

marting of the					
2) Press the CH(	(annel) 🔺				
or ▼ button to "V-CHIP SET Then, press th VOL(ume) ▲	TUP". ne button.	PICTURE CHANNEL SET [ENGLISH] ESPAÑOL ▶ V-CHIP SET UP CAPTION [OFF]			
3) Press the CH(	(annel) 🔺				
or ▼ button te "TV RATING	TV RATING MPAA RATING				
Then, press th	ne				
VOL(ume)	button.				
4) Press the CH(	(annel)				
or ▼ button to your desired item.Then, pr VOL(ume) ▲	o point to ess the	► TV-Y [VIEW] TV-Y7( ) [VIEW] TV-G [VIEW] TV-PG( ) [VIEW] TV-14( ) [VIEW] TV-MA( ) [VIEW]			
select [BLOC	K] or [VII	EW].			
<selection> Explanations&gt;</selection>	<rating c<="" td=""><td>0.</td></rating>	0.			
• TV-Y: Appropriate for all children					
• I V-Y /:	• TV-Y7: Appropriate for children seven an older				
• TV-G:	General Au	Idience			
• TV-PG:	Parental Gu	uidance suggested.			
• TV-14: Unsuitable for children under 14					
TV-MA: Mature audience only					

- When you select the rating category and turn • it to [BLOCK], the higher rating will turn [BLOCK] automatically. Also, the lower rat-
- ing will turn [VIEW] automatically. When you turn "TV-Y" to [BLOCK] or [VIEW], then all ratings will turn to [BLOCK] or [VIEW] automatically.
- When you turn "TV-MA" to [VIEW], then all ratings will turn to [VIEW] automatically

When you select TV-Y7, TV-PG, TV-14, or TV-MA and you press the VOL(ume)  $\blacktriangle$  button, the sub-ratings will appear on the TV screen.

If you select the rating category (example: TV-PG) and turn it to [BLOCK] or [VIEW], the sub-ratings (example: V for Violence) will turn [BLOCK] or [VIEW] automatically. You can set the sub-ratings to [BLOCK] or [VIEW] individually when the rating category is set to [BLOCK]. To set the sub-ratings individually, follow the steps below.

When you select [TV-Y7]:

Press the CH(annel)  $\blacktriangle$  or  $\triangledown$  button to select "FV" (Fantasy Violence). Then, press the VOL(ume)  $\blacktriangle$  button to select [BLOCK] or [VIEW].

ſ	
TV-Y7	[BLOCK]
►FV	[BLOCK]

When you select [TV-PG], [TV-14] or [TV-MA]: Press the CH(annel)  $\blacktriangle$  or  $\blacktriangledown$  button to select "D" (Suggestive Dialog), "L"(Coarse Language), "S"(Sexual Situation), or "V" (Violence).

TV-PG	[BLOCK]
►D L S V	[BLOCK] [BLOCK] [BLOCK] [BLOCK]

Then, press the VOL(ume)  $\blacktriangle$  button to select [BLOCK] or [VIEW].

►TV-Y TV-Y7 (	[VIEW] )[VIEW]
TV-G	[BLOCK]
TV-PG (DL	SV)[BLOCK]
TV-14 (DL	SV)[BLOCK]
TV-MA (L	SV)[BLOCK]

### MAINTENANCE

### CABINET CLEANING

- Wipe the front panel and other exterior surfaces of the TV with a soft cloth immersed in lukewarm water and wrung dry.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the TV. Such chemicals may cause damage and discoloration to the exposed surfaces.

# SUPPLIED ACCESSORIES

# (N0132UD/N0108UD)

Batteries ("AA" x 2)

**GENERAL SPECIFICATIONS** 

SPECIFICAT

Television system:

Closed Caption System:

Channel coverage VHF

UHE

CATV:

Tuning System

Channel access:

Antenna input:

Video input:

Audio input:

Stereo Sound System

Terminals

2 speakers

PICTURE TUBE CLEANING

Wipe the picture tube of the TV with a soft cloth. Before cleaning the picture tube, disconnect the power cord.

Note: When you select [TV-MA], "D" does not appear on the TV screen.

appear next to the rating category in the TV

• The sub-ratings which set to [BLOCK]

RATING menu. 5) Press the MENU button to exit the menu.

# TROUBLESHOOTING GUIDE

Sometimes a performance problem can be easily solved by checking seemingly apparent but often overlooked possibilities. Before arranging for service, check these items. It could save you time and money.

QUICK SERVICE CHECK LIST	PROBLEM	Remote Control Doesn't Work	Bars On Screen	Picture Distorted	Picture Rolls Vertically	No Color	Poor Reception on Some Channels	Weak Picture	Lines or Streaks in Picture	Ghosts in picture	Picture Blurred	Sound OK, Picture Poor	Picture OK, Sound Poor	No Picture or Sound
POSSIBLE REMEDY		H	-	4	H	~	-	-	I	Ŭ	-		-	~
Try a new channel, if OK, then possible station trouble.				Х	×	X	X	X	Х	×	X	X	X	X
Is TV plugged in? Power at outlet?		×												×
Is TV's POWER button on?														X
Is antenna connected to terminal on the back of the set?						X	X	X		×		X		×
If outside antenna is being used, check for broken wire.			X	×	×	X	X	X	×	×	X	X		×
Check for local interference.			X		×		X		×	×		X	X	
Turn off with POWER button and then turn it on after about a minute.														X
Adjust COLOR control.						X								
Adjust CONTRAST & BRIGHT control.								X				X		
Check batteries in Remote Control.		X												

Closed Caption Problem	Possible Remedy
My TV is showing captions that are misspelled.	You are watching a live broadcast and spelling errors made by the closed captioning production company may pass through uncorrect- ed. A prerecorded program will not show any misspelled words because of the normal time available for editing the captions.
My TV will not show the text in its entirety or there is a delay of what is being said.	Captions that are delayed a few seconds behind the actual dialogue are common for live broadcasts. Most captioning production compa- nies can display a dialogue to a maximum of 220 words per minute. If a dialogue exceeds that rate, selective editing is used to insure that the captions remain up-to-date with the current TV screen dialogue.
My captions are scrambled with white boxes on the TV screen.	Interference caused by building, power lines, thunderstorms, etc. may cause scrambled or incomplete captions to appear.
My program guide listed a TV show as being closed captioned but none of the captions were displayed.	Broadcasters may at times use a time compression process to the actual program so that additional advertising time can be given. Since the decoder cannot read the compressed information, captions will be lost.
My prerecorded videotape does not show any captions. The tape box mentions it being closed captioned.	The videotape was either an illegal copying or the tape duplicating company accidentally left out the captioning signals during the copying process.
My TV screen shows a black box on certain channels.	You are in the TEXT mode. Select CAPTION mode or CAPTION [OFF].

As an ENERGY STAR<sup>®</sup> Partner, our company has determined that this product meets the ENERGY STAR<sup>®</sup> guidelines for energy efficiency. ENERGY STAR<sup>®</sup> is a U.S. registered mark.

### Remote control unit Owner's Manual

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NTSC-M TV Standard

2~13

14~69

§15.119/FCC

14 ~ 09 2 ~ 13, A ~ W, W+1 ~ W+84, A-5 ~ A-1, 5A

frequency synthesized tuning system Direct access keyboard,

181 channel

programmable scan and up/down

VHF/UHF/CATV

75 ohm unbalanced (F-type)

RCA connector x 2 (1 x Front / 1 x Rear) RCA connector x 4

(2 (L/R) x Front / 2 (L/R) x Rear)

Sound output: 1W. 8 ohm x2

### OTHER SPECIFICATIONS

Remote control:	Digital encoded infrared light system
Operating	
temperature:	5°C to 40°C
-	(41°F~104°F)
Power requirements:	AC120V, 60Hz
Power consumption	
(Maximum):	110W
Picture tube:	27"
Dimensions:	H: 22-1/16" (560mm)
	W: 26" (660mm)
	D: 19-11/16" (500mm)
Weight:	77.2 lbs. (35kg)

•Designs and specifications are subject to change without notice. •If there is a discrepancy between languages, the default language will be English.